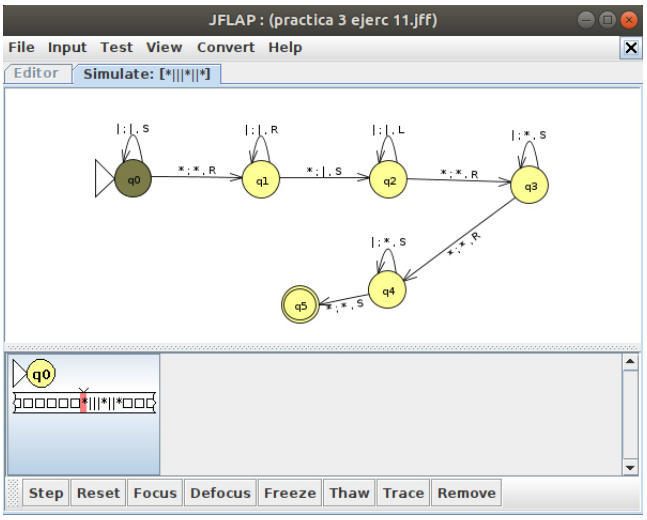
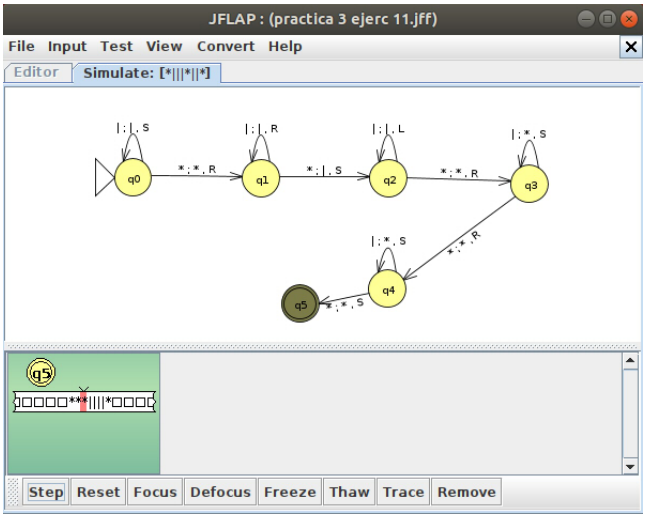
Practica 3, Ejercicio 1

Minerva Anastasia Gomez Galleguillos

23 de diciembre de 2022

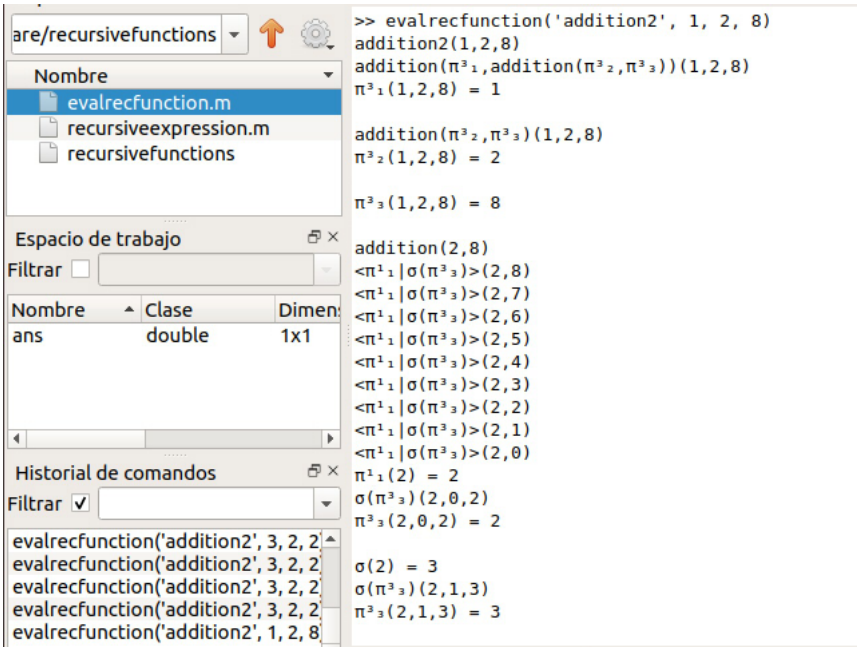
1. Ejercicio 1.

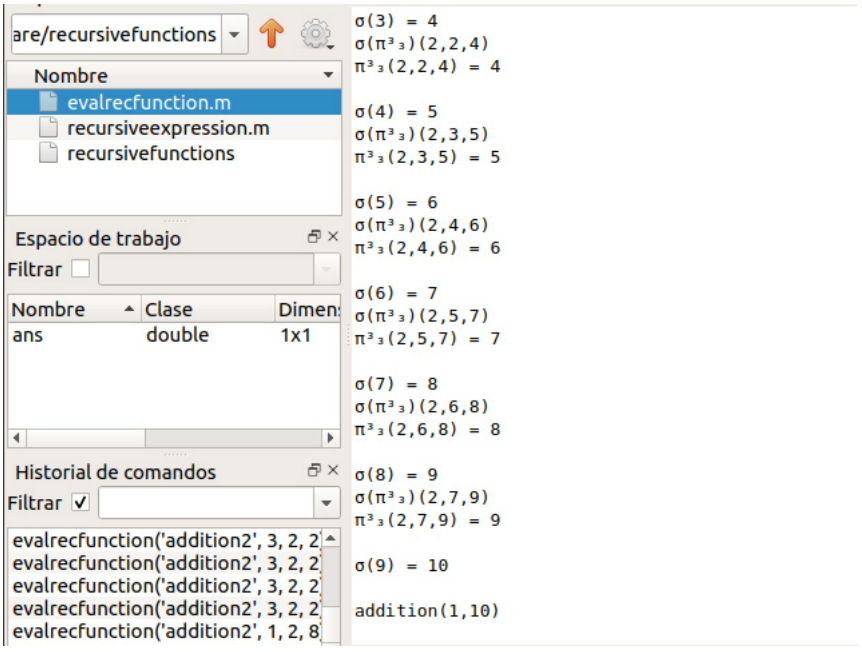


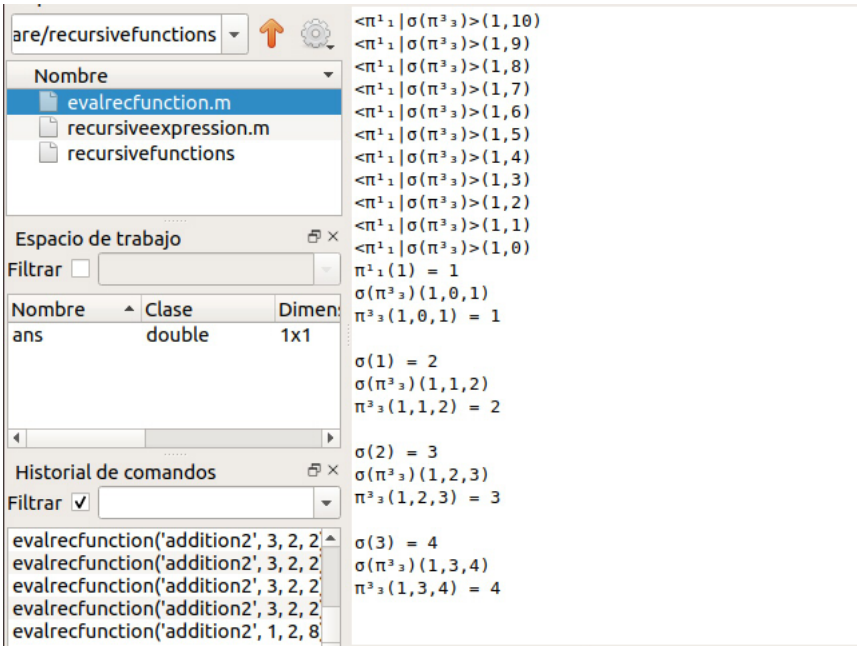


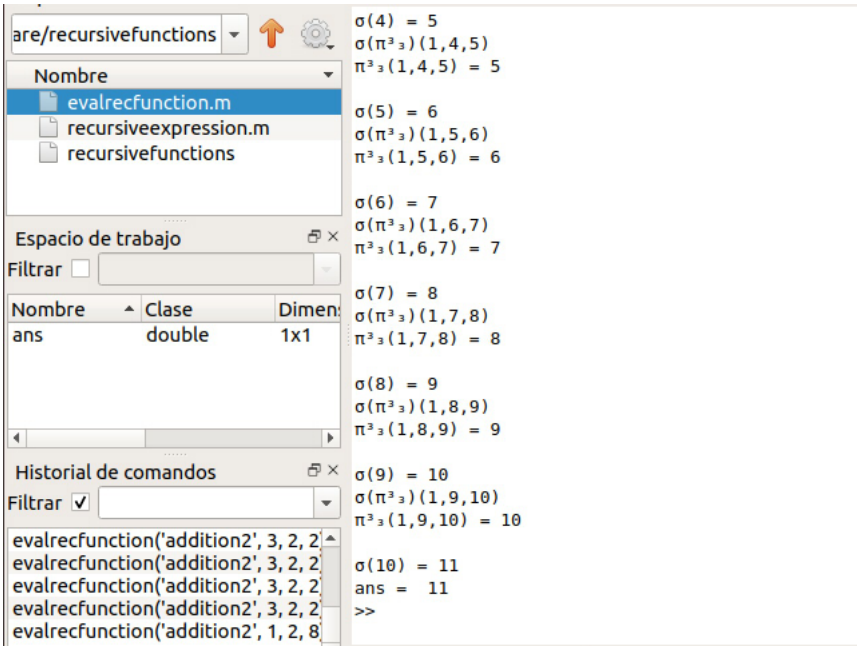
2. Ejercicio 2.

$addition2$ $addition(\pi^3_1, addition(\pi^3_2, \pi^3_3))$






are/recursivefunctions
Nombre
evalrecfunction.m
recursiveexpression.m
recursivefunctions
Espacio de trabajo
Filtrar
Nombre
Clase
Dimen
ans
double
1x1
Historial de comandos
Filtrar
evalrecfunction('addition2', 3, 2, 2
evalrecfunction('addition2', 3, 2, 2
evalrecfunction('addition2', 3, 2, 2
evalrecfunction('addition2', 3, 2, 2
evalrecfunction('addition2', 1, 2, 8
<π¹₁|σ(π³₃)>(1,10)
<π¹₁|σ(π³₃)>(1,9)
<π¹₁|σ(π³₃)>(1,8)
<π¹₁|σ(π³₃)>(1,7)
<π¹₁|σ(π³₃)>(1,6)
<π¹₁|σ(π³₃)>(1,5)
<π¹₁|σ(π³₃)>(1,4)
<π¹₁|σ(π³₃)>(1,3)
<π¹₁|σ(π³₃)>(1,2)
<π¹₁|σ(π³₃)>(1,1)
<π¹₁|σ(π³₃)>(1,0)
π¹₁(1) = 1
σ(π³₃)(1,0,1)
π³₃(1,0,1) = 1
σ(1) = 2
σ(π³₃)(1,1,2)
π³₃(1,1,2) = 2
σ(2) = 3
σ(π³₃)(1,2,3)
π³₃(1,2,3) = 3
σ(3) = 4
σ(π³₃)(1,3,4)
π³₃(1,3,4) = 4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evalrecfunction('addition2', 3, 2, 2
evalrecfunction('addition2', 3, 2, 2
evalrecfunction('addition2', 3, 2, 2
evalrecfunction('addition2', 3, 2, 2
evalrecfunction('addition2', 1, 2, 8
σ(4) = 5
σ(π³₃)(1,4,5)
π³₃(1,4,5) = 5
σ(5) = 6
σ(π³₃)(1,5,6)
π³₃(1,5,6) = 6
σ(6) = 7
σ(π³₃)(1,6,7)
π³₃(1,6,7) = 7
σ(7) = 8
σ(π³₃)(1,7,8)
π³₃(1,7,8) = 8
σ(8) = 9
σ(π³₃)(1,8,9)
π³₃(1,8,9) = 9
σ(9) = 10
σ(π³₃)(1,9,10)
π³₃(1,9,10) = 10
σ(10) = 11
ans = 11
>>

3. Ejercicio 3.

$Q : (3, 3, s)$;
$s :$
while $X_2 \neq 0$ **do**
    $X_2 := X_2 - 1$;
    $X_1 := X_1 + 1$;
od
while $X_3 \neq 0$ **do**
    $X_3 := X_3 - 1$;
    $X_1 := X_1 + 1$;
od